Missouri Assessment Program
Spring 2006

Mathematics

Anchor Pages for Released Items

Grade 5

6 Ms. Yen's class is having a bake sale. The students will sell 6 brownies for $4.00. How many brownies will they need to sell in order to raise $32.00? In the box below, provide the work that shows how you arrived at your answer and write your answer in the line.

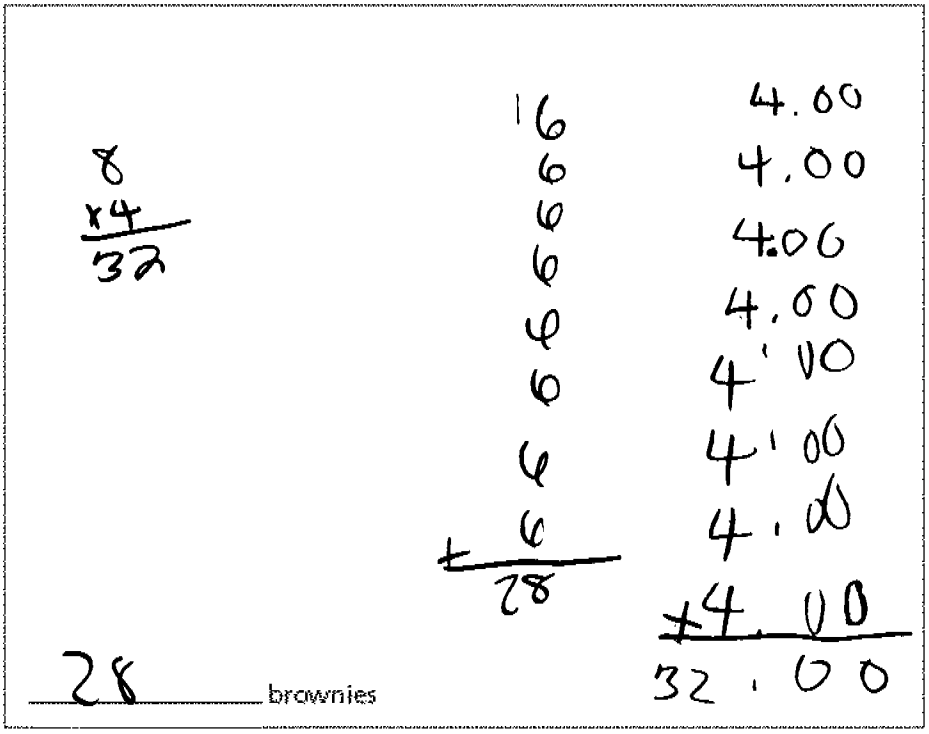
8
x 6
48 brownies

x 8 R0
4 | 32.00
- 32.00
00.00

48 brownies

MAP Operational 2006
Grade 5 Math
Session 1 Item 6
Score: 2 ANCHOR
Correct answer of 48.
Correct process of 32/4 = 8 and 8 X 6 = 48.

6 Ms. Yen's class is having a bake sale. The students will sell 6 brownies for $4.00. How many brownies will they need to sell in order to raise $32.00? In the box below, provide the work that shows how you arrived at your answer and write your answer in the line.



MAP Operational 2006
Grade 5 Math
Session 1 Item 6
Score: 1 ANCHOR
Incorrect answer;
Correct process adding price and number of brownies with calculation errors --
adds eight 6s = 28.

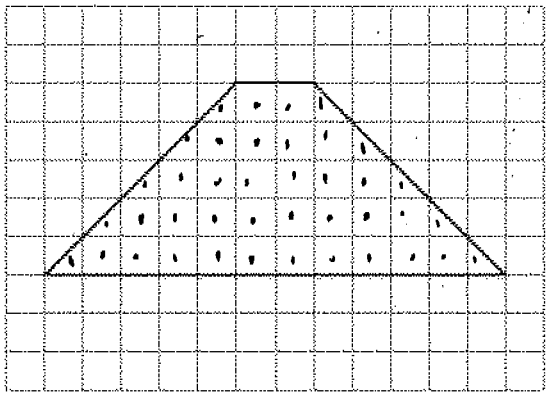
6 Ms. Yen's class is having a bake sale. The students will sell 6 brownies for $4.00. How many brownies will they need to sell in order to raise $32.00? In the box below, provide the work that shows how you arrived at your answer and write your answer in the line.

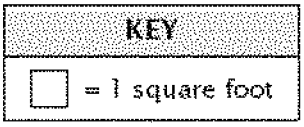
$4.00 \times 8 = \$32.00$

8 brownies

MAP Operational 2006
Grade 5 Math
Session 1 Item 6
Score: 0 ANCHOR
Incorrect answer.
Incomplete process shown; does not multiply the 8 X 6.

8 Study the figure on the grid below.





The figure shows the section of Mr. Gomez's classroom that is covered with carpet. What is the area of the carpet? Write your answer on the line.

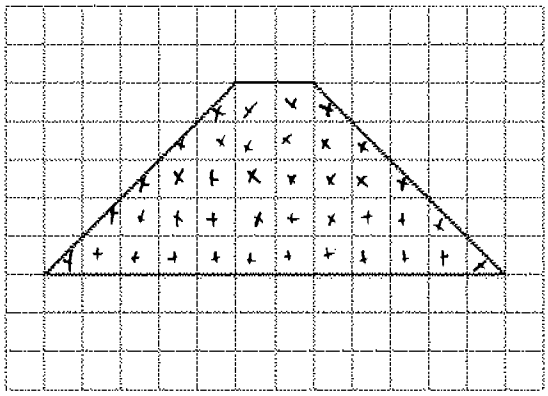
35 square feet

On the lines below, explain how you found the area.

I counted the full squares as one and half squares as half.

MAP Operational 2006
Grade 5 Math
Session 1 Item 8
Score: 2 ANCHOR
Correct answer of 35.
Correct explanation with consideration of full and half squares.

8 Study the figure on the grid below.



KEY
☐ = 1 square foot

The figure shows the section of Mr. Gomez's classroom that is covered with carpet. What is the area of the carpet? Write your answer on the line.

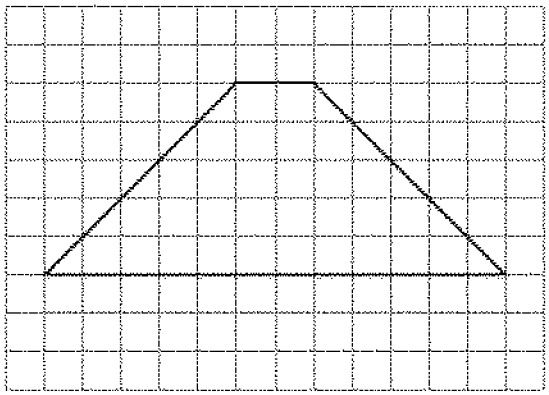
36 square feet

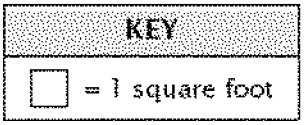
On the lines below, explain how you found the area.

I counted the whole squares and then I added two halves to make a whole.

MAP Operational 2006
Grade 5 Math
Session 1 Item 8
Score: 1 ANCHOR
Incorrect answer.
Correct explanation with consideration of full and half squares.

8 Study the figure on the grid below.





The figure shows the section of Mr. Gomez's classroom that is covered with carpet. What is the area of the carpet? Write your answer on the line.

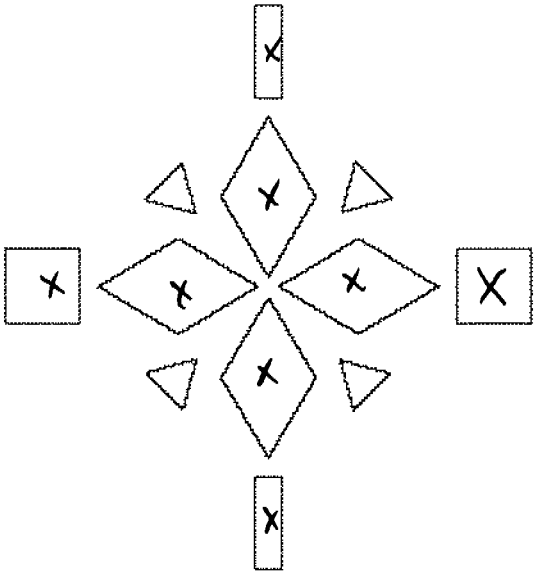
60 square feet

On the lines below, explain how you found the area.

If you know that 1 foot is equal to 60 inches than that is how I got my answer.

MAP Operational 2006
Grade 5 Math
Session 1 Item 8
Score: 0 ANCHOR
Incorrect answer.
Incorrect explanation because student does not discuss full and half squares.

17 Study the shapes below.



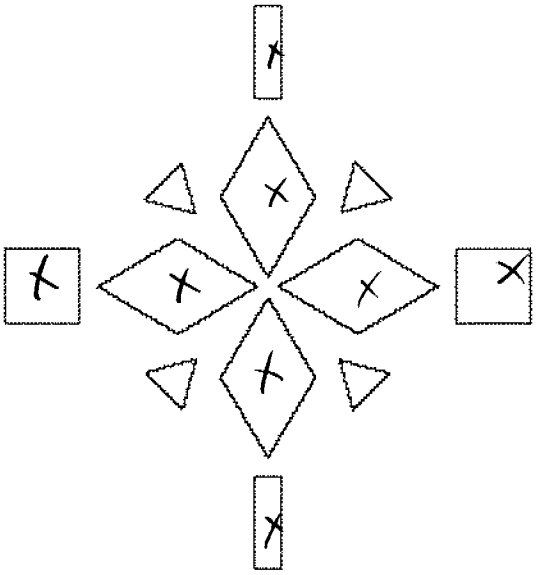
Mark an X on *each* shape that appears to be a parallelogram.

On the lines below, describe one characteristic of parallelograms.

A parelleigam has 2 pairs of parallel sides

MAP Operational 2006
Grade 5 Math
Session 1 Item 17
Score: 2 ANCHOR
Correct with all 8 parallelograms marked.
Correct justification.

17 Study the shapes below.



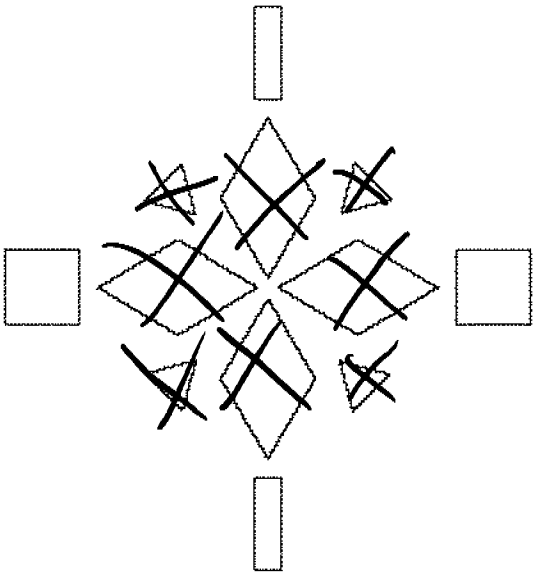
Mark an X on *each* shape that appears to be a parallelogram.

On the lines below, describe one characteristic of parallelograms.

A parallelogram has four sides that match.

MAP Operational 2006
Grade 5 Math
Session 1 Item 17
Score: 1 ANCHOR
Correct with all 8 parallelograms marked.
Incorrect justification.

17 Study the shapes below.



Mark an X on *each* shape that appears to be a parallelogram.

On the lines below, describe one characteristic of parallelograms.

No square angles like, triangles and dimonds

MAP Operational 2006
Grade 5 Math
Session 1 Item 17
Score: 0 ANCHOR
Triangles marked as well as 4 of 8 parallelograms.
Incorrect justification.

MAP Operational 2006
Grade 5 Math
Session 1 Item 24
Score: 2 ANCHOR
Correct answer of Saturday.
Correct process to find 6 X 14 = 84.

24 A baker makes 14 cakes each day. If he starts baking 14 cakes on Monday, by what day of the week will he have baked 84 cakes all together? In the box below, use pictures or words to explain how you solved the problem and write your answer on the line.

Mon	Ti	Wed	Th	Fr	Sat	Sun
14	28	42	56	70	84	

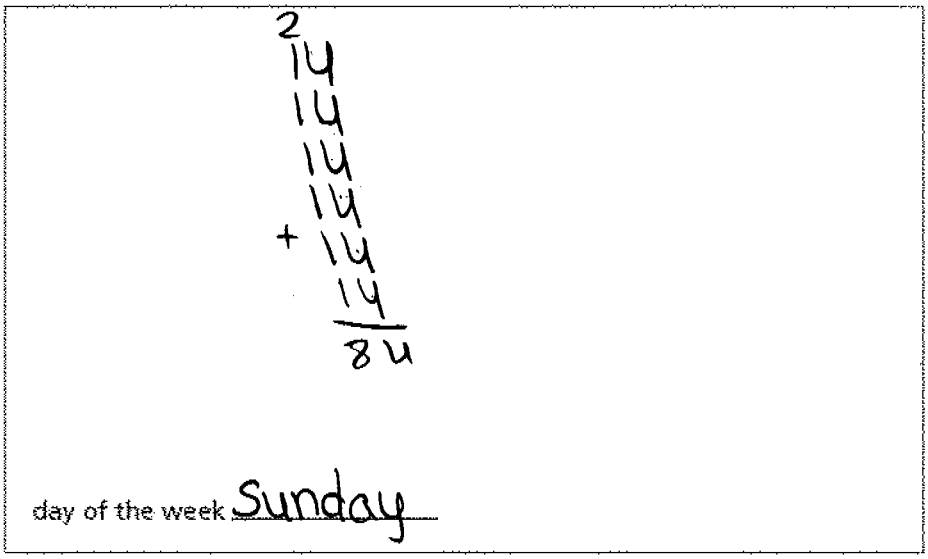
14
+14
28
+14
42

42
+14
56
+14
70
+14
84

day of the week Saturday

MAP Operational 2006
Grade 5 Math
Session 1 Item 24
Score: 1 ANCHOR
Correct process to find 6 X 14 = 84.
Incorrect answer.

24 A baker makes 14 cakes each day. If he starts baking 14 cakes on Monday, by what day of the week will he have baked 84 cakes all together? In the box below, use pictures or words to explain how you solved the problem and write your answer on the line.



MAP Operational 2006
Grade 5 Math
Session 1 Item 24
Score: 0 ANCHOR
Incorrect answer.
Incorrect explanation.

24 A baker makes 14 cakes each day. If he starts baking 14 cakes on Monday, by what day of the week will he have baked 84 cakes all together? In the box below, use pictures or words to explain how you solved the problem and write your answer on the line.

Monday because the baker starts baking on monday. Monday will be finished, before any other day of the week.

day of the week Monday